

## Omnidirectional VHF collinears

### VHF 70-140MHz

These VHF omnidirectional fixed position collinears are suitable for two-way radio and other systems operating within the VHF 70-140MHz frequency range.

Mounting clamps, coaxial feeder cables, connectors and other installation accessories are all available separately.

Specifications	G11	G12
Construction	White radome, aluminium mount tube	
Frequency Range	70-85MHz	85-140MHz
Maximum Bandwidth	Any 3% (specify TX & RX)	Any 5% (specify TX and RX)
Return Loss, VSWR	<1.5:1 across specified bandwidth	
Tuning	Factory	Factory
Gain	3 dBd	3 dBd
Maximum Power	250 Watts	250 Watts
Impedance (nominal)	50 Ohms	50 Ohms
DC Grounding	Yes	Yes
Polarisation	Vertical	Vertical
H Plane	360° omnidirectional, ± 0.5 dBd	
E Plane	32°	32°
Connector	N-type female in base of mount section	
Height (at lowest frequency)	5.6 metres (at 70MHz)	4.8 metres (at 85MHz)
Weight	10Kg	9Kg
Projected Area	0.15m <sup>2</sup>	0.14m <sup>2</sup>
Wind Load at 160kph	23Kg, 0.230kN	17Kg, 0.170kN
Mount tube	600mm x 48mm	600mm x 48mm
Mounting Accessories (order separate)	2 x UAM180L (parallel) or 2 x UAM90L (right-angle)	
Mounting Position (recommended)	Mount as high on your structure, mast or tower as possible using the appropriate mounting clamps	

